

**ENGINEERING SERVICES AGREEMENT**  
**FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS**

Updated March 2007

THIS AGREEMENT is made in Douglas County, Kansas, by and between the City of Lawrence, Kansas, hereinafter called the City, and GEORGE BUTLER ASSOCIATES, INC. hereinafter called the Consultant. The City intends to construct an improvement project UT1814 9<sup>th</sup> Street Arkansas to Emery and 1527 9<sup>th</sup> Street Watermain Replacements (hereinafter called the Project) in Lawrence, Kansas, described in Exhibit A.

The City hereby contracts with the Consultant for professional engineering services in connection with the Project, for such engineering services more particularly described herein in consideration of the mutual covenants herein set forth. By executing this Agreement, the Consultant represents to the City that the Consultant is professionally qualified to provide such and is licensed to practice engineering by all public entities having jurisdiction over the Consultant and the Project.

**SECTION I - DEFINITIONS**

As used in this Agreement, the following terms shall have the meanings ascribed herein unless otherwise stated or reasonably required by this contract, and other forms of any defined words shall have a meaning parallel thereto.

“Additional Services” means any services requested by the City which are not covered by Exhibit A of this Agreement.

“Agreement” means this contract and includes change orders issued in writing.

“City” means the City of Lawrence, Kansas.

“Consultant” means the company or individual identified on page 1. Consultant shall employ for the services rendered, engineers, architects, landscape architects, and surveyors licensed, as applicable, by the Kansas State Board of Technical Professions.

“Contract Documents” means those documents so identified in the Contract for Construction of this Project, including Engineering Documents. All terms defined in said General Conditions shall have the same meaning when used in this Agreement unless otherwise specifically stated or in the case of a conflict in which case the definition used in this Agreement shall prevail in the interpretation of this Agreement.

“Engineering Documents” means all plans, specifications, reports, drawings, tracings, designs, calculations, computer models, sketches, notes, memorandums or correspondence related to the work described in Exhibit A attached hereto.

“Engineering Services” means the professional services, labor, materials, supplies, testing and other acts or duties required of Consultant under this Agreement together with Additional Services as City may request and evidenced by a supplemental agreement pursuant to the terms of this Agreement.

“Project” is as described in Exhibit A.

“Subsurface Borings and Testing” means borings, probings and subsurface explorations, laboratory tests and inspections of samples, materials and equipment; and appropriate professional interpretations of all the foregoing.

“Utilities Engineer” means the person employed by the City with the title of Utilities Engineer who is licensed to practice engineering in the State of Kansas.

“Utilities Director” means the person employed by the City with the title of Utilities Director.

## **SECTION II - PAYMENT**

### **A. COMPENSATION.**

1. Maximum Total Fee and Expense: The City agrees to pay the Consultant a fee based on the actual hours expended on the Project at the rates indicated in the attached Fee Schedule; Exhibit B and the actual reimbursable expenses permitted under this Agreement and incurred on this Project, but not to exceed a maximum fee of \$77,509.00. Professional fees are based on the scope of services outlined in Exhibit A of this Agreement and shall be completed in accordance with a mutually agreed to schedule. Payment to Consultant shall not exceed the amounts in each phase as detailed in Exhibit B. Other methods of compensation are allowed only after written approval by the Utilities Director.
2. Hourly Rate: Any Additional Services which are not set forth in this Agreement will be charged on the basis of the hourly rate schedule attached hereto as Exhibit B and reimbursable expenses not contemplated in this

Agreement will be charged at actual cost. No Additional Services or costs shall be incurred without proper written authorization of the City.

3. Reimbursable Expenses: Reimbursable expenses shall be included in the total maximum fee. Reimbursable expenses include expenses of transportation in connection with the Project; expenses in connection with authorized out-of-town travel; long-distance communications; expenses of printing and reproductions, postage and facsimile transmissions; expenses of renderings and models requested by the City and other costs as authorized by the City. Reimbursable expenses will not include overhead costs or additional insurance premiums. Unit rates for reimbursable expenses shall be included in Exhibit B attached.
4. Sales Tax: Compensation as provided for herein is exclusive of any sales, use or similar tax imposed by taxing jurisdictions on the amount of compensation, fees or services. Should such taxes be imposed, the City shall reimburse the Consultant in addition to the contractual amounts provided. The City shall provide tax exempt number if required, and if requested by the Consultant.
5. Billing: Consultant shall bill the City monthly for all services and reimbursable expenses. It is understood by the Consultant that monthly pay requests must be received by the 5th day of the month. The bill submitted by Consultant shall itemize the services and reimbursable expenses for which payment is requested, notwithstanding any claim for interest or penalty claimed in a Consultant's invoice. The City agrees to pay the Consultant

within ten (10) days of approval by the governing body. If the Consultant fails to submit an itemized bill for services and/or reimbursable expenses within sixty (60) days of completion of the services, the City shall have no duty to pay the Consultant for those services.

6. City's Right to Withhold Payment: In the event the City becomes credibly informed that any representations of the Consultant provided in its monthly billing are wholly or partially inaccurate, the City may withhold payment of disputed sums then, or in the future, otherwise due to the Consultant until the inaccuracy and the cause thereof is corrected to the City's reasonable satisfaction. In the event the City questions some element of an invoice, that fact shall be made known to the Consultant immediately. The Consultant will help effect resolution and transmit a revised invoice if necessary. The City shall pay the undisputed portion of any invoice as provided in Part 5 of this Section II.
7. Progress Reports: A written progress report, as set out in Exhibit C, must be submitted with each monthly pay request indicating which specific design tasks and their percentage have been completed to date, and tasks that will be performed the following month. This report will serve as support for payment to the Consultant.
8. Timing of Services: Consultant will perform the services in a timely manner; however, if during their performance, for reasons beyond the control of the Consultant, protracted delays occur, the parties agree that they will negotiate

in writing an equitable adjustment of time and compensation, taking into consideration the impact of such delays.

9. Change in Scope: For substantial modifications in authorized Project scope, and/or substantial modifications of drawings and/or specifications previously accepted by the City, when requested by the City and through no fault of the Consultant, the Consultant shall be compensated for time and expense required to incorporate such modifications at Consultant's standard hourly rates per Exhibit B. Provided, however, that any increase in contract price or contract time must be requested by the Consultant and must be approved through a written supplemental agreement prior to performing such services. Consultant shall correct or revise any errors or deficiencies in its designs, drawings or specifications without additional compensation when due to Consultant's negligence, error, or omission.
  
10. Additional Services: The Consultant shall provide, with the City's concurrence, services in addition to those listed in Exhibit A, when such services are requested, in writing, by the City. Prior to entering into any Additional Services, the Consultant must submit a proposal outlining the Additional Services to be provided, estimation of total hours and a maximum fee based upon the hourly rate schedule attached hereto as Exhibit B. Payment to the Consultant, as compensation for these Additional Services, shall be in accordance with the attached hourly rate schedule attached as Exhibit B. Reimbursable expenses incurred in conjunction with Additional Services shall be paid separately and those reimbursable expenses shall be

paid at actual cost. Records of reimbursable expenses and expenses pertaining to Additional Services and services performed on an hourly basis shall be made available to the City if so requested in writing. Production of these documents shall be made at the Consultant's office during normal business hours within a reasonable time at a date and time mutually convenient to both parties.

11. Supplemental Agreement: This Agreement may be amended to provide for additions, deletions and revisions in the services or to modify the terms and conditions thereof by written amendment signed by both parties. The contract price and contract time may only be changed by a written supplemental agreement approved by the City, unless it is the result of an emergency situation in which case the Utilities Director may give verbal and facsimile approval to be followed by a written and approved supplemental agreement. If notice of any change affecting the general scope of the services or provisions of this Agreement, including but not limited to, contract price or time, is a requirement of any insurance policy held by the Consultant as a requirement of this Agreement, the giving of such notice shall be the Consultant's responsibility.

### **SECTION III - RESPONSIBILITIES OF CONSULTANT**

- A. **SCOPE OF SERVICES**: The Consultant shall furnish and perform the various professional duties and services in all phases of the Project to which this Agreement

applies, as specifically provided in Exhibit A and which are required for the completion of the Project

**B. GENERAL DUTIES AND RESPONSIBILITIES**

1. Personnel: The Consultant shall assign only qualified personnel to perform any service concerning the Project. Gary S. Beck, P.E. will perform as the Consultant's principal for this Project. As principal on this Project, this person shall be the primary contact with the Utilities Director, Utilities Engineer, or another person so designated, and shall have authority to bind the Consultant. So long as the individual named above remains actively employed or retained by the Consultant, he/she shall perform the function of principal on this Project.
2. Independent Contractor: The Consultant is an independent contractor and as such is not an employee of the City.
3. Special Services: The Consultant may be called on to serve as a Consultant or witness in any litigation, arbitration, legal or administrative proceeding arising out of this Project. The Consultant shall not be paid extra by the City if the appearance is to defend Consultant's professional engineering services. If the Consultant is requested in writing by the City to appear as a witness, the Consultant will be paid its hourly fee as reflected on the hourly rate schedule attached hereto as Exhibit B.
4. Subsurface Borings and Material Testing: If tests additional to those provided in Exhibit A are requested by the City for design, the Consultant shall prepare

specifications for the taking of the additional borings. Such Subsurface Borings and Testing, as defined herein, shall be provided by the Consultant through other contractors. Payment to the Consultant will be negotiated in writing.

5. Service by and Payment to Others: Any work authorized in writing by the City and performed by a third party other than the Consultant, or their subconsultants in connection with the proposed Project, shall be contracted for and paid for by the City directly to the third party or parties. Fees for extra work shall be subject to negotiation between the City and the third party. Fees shall be approved by the City prior to the execution of any extra work. Although the Consultant may assist the City in procuring such services of third parties, the Consultant shall in no way be liable to either the City or such third parties in any manner whatsoever for such services or for payment thereof.
6. Subcontracting of Service: The Consultant shall not subcontract or assign any of the architectural, engineering or consulting services to be performed under this Agreement without first obtaining the written approval of the City regarding the services to be subcontracted or assigned and the firm or person proposed to perform the services. Neither the City nor the Consultant shall assign any rights or duties under this Agreement without the prior written consent of the other party. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this Agreement.

7. Endorsement: The Consultant shall sign and seal all final plans, specifications, estimates and engineering data furnished by the Consultant. The Consultant warrants to the best of its knowledge, information and belief that its performance will be done in a professional manner. Any review or approval by the City of any documents prepared by the Consultant, including but not limited to the plans and specifications, shall be solely for the purpose of determining whether such documents are consistent with the City's construction program and intent. No review of such documents shall relieve the Consultant of their responsibility for the accuracy. It will be the Consultant's responsibility to verify the existence of any and all rights-of-way and easements, including temporary construction easements, that are necessary for the Project construction. Rights-of-way and easements shown on the construction plans shall have proper legal verification to prove their existence.
8. Professional Responsibility: The Consultant will exercise reasonable skill, care and diligence in the performance of its services as is ordinarily possessed and exercised by a licensed professional performing the same services under similar circumstances.
9. Inspection of Documents: The Consultant shall maintain all Project records for inspection by the City during the contract period and for three (3) years from the date of final payment.

## **SECTION IV - CITY OF LAWRENCE RESPONSIBILITIES**

### **A. GENERAL DUTIES AND RESPONSIBILITIES**

1. Communication: The City shall provide to the Consultant information and criteria regarding the City's requirement for the Project; examine and timely respond to the Consultant's submissions; and give notice to the Consultant, who shall respond promptly, whenever the City observes or otherwise becomes aware of any defect in the services.
2. Access: The City will-provide access agreements for the Consultant to enter public and private property when necessary.
3. Duties: The City shall furnish and perform the various duties and services in all phases of the Project which are outlined and designated in Exhibit A as the City's responsibility.
4. Program and Budget: The City shall provide full information stating the City's objectives, schedule, budget with reasonable contingencies, and necessary design criteria.
5. Other consultants: The City may contract with "specialty" consultants when such services are requested by the Consultant.
6. Testing: Any tests required to supplement the scope of services or tests required by law shall be furnished by the City.
7. Legal, Insurance, Audit: The City shall furnish all legal, accounting and insurance counseling services as may be necessary at any time for the Project. The City shall furnish all bond forms required for the Project.

8. Project Representative: The Utilities Director, or the Utilities Director's designee, shall represent the City in coordinating this Project with the Consultant, with authority to transmit instructions and define policies and decisions of the City.

## **SECTION V - GENERAL PROVISIONS**

### **A. TERMINATION**

1. Notice: The City reserves the right to terminate this Agreement for either cause or for its convenience and without cause or default on the part of the Consultant, by providing written notice of such termination to the Consultant. Upon receipt of such notice from City, the Consultant shall, at City's option as contained in the notice: Immediately cease all services and meet with City to determine what services shall be required of the Consultant in order to bring the Project to a reasonable termination in accordance with the request of the City. The Consultant shall also provide to the City digital and mylar copies of all drawings and documents completed or partially completed at the date of termination. The Consultant is entitled to terminate this agreement by providing thirty (30) days written notice.
2. Compensation for Convenience Termination: If City shall terminate for its convenience, as herein provided, City shall compensate Consultant for all services completed to date prior to receipt of the termination notice. Compensation shall not include anticipatory profit or consequential damages, neither of which will be allowed.

3. Compensation for Default Termination: If the City shall terminate for cause or default on the part of the Consultant, the City shall compensate the Consultant for the reasonable cost of services completed to date of its receipt of the termination notice. Compensation shall not include anticipatory profit or consequential damages, neither of which will be allowed. The City also retains all its rights and remedies against the Consultant including but not limited to its rights to sue for damages, interest and attorney fees.
4. Incomplete Documents: Neither the Consultant, nor its subconsultant, shall be responsible for errors or omissions in documents which are incomplete as a result of an early termination under this section, the Consultant having been deprived of the opportunity to complete such documents and certify them as ready for construction.

**B. DISPUTE RESOLUTION**

City and the Consultant agree that disputes relative to the Project should first be addressed by negotiations between the parties. If direct negotiations fail to resolve the dispute, the party initiating the claim that is the basis for the dispute shall be free to take such steps as it deems necessary to protect its interests provided, however, that notwithstanding any such dispute the Consultant shall proceed with the services as per this Agreement as if no dispute existed.

**C. OWNERSHIP OF ENGINEERING DOCUMENTS**

All Engineering Documents prepared in connection with this Project shall be the property of the Consultant, whether the Project for which they are made is executed

or not; however, the Consultant shall provide the City a copy of all Engineering Documents as requested by the City and related to services for which the consultant has been compensated.

Reports, plans, specifications and related documents are the Consultant's copyrighted instruments, and the Consultant, at its option, may so identify them by appropriate markings. Provided that the Consultant is paid in full for its services, then the City may reuse these final documents without any additional compensation. However, such reuse shall be for City use and the Consultant shall have no liability for City alteration to the documents or for any use other than as intended pursuant to the terms hereof.

#### **D. INSURANCE**

Unless otherwise specified, the City shall be shown as an additional insured on all applicable insurance policies except professional liability and worker's compensation. All general and automobile liability insurance shall be written on an occurrence basis unless otherwise agreed to in writing by the City. The City shall be given written thirty (30) days notice of any insurance policy cancellation.

1. Professional Liability: The Consultant shall maintain, throughout the duration of this Agreement, Professional Liability Insurance in an amount not less than one million dollars (\$1,000,000), per claim and annual aggregate, and shall provide the City with certification attached to this Agreement.

2. Commercial General Liability

Each Occurrence      \$500,000

General Aggregate \$500,000

The policy must also include personal injury; products/completed operations; contractual liability and independent contractors.

3. Worker's Compensation: The Consultant shall retain Worker's Compensation Insurance in the statutory amounts.

4. Employer's Liability:

Bodily Injury by Accident \$100,000 (each accident)

Bodily Injury by Disease \$500,000 (policy limit)

Bodily Injury by Disease \$100,000 (each employee)

5. Automobile Insurance: The Consultant shall maintain a policy in the minimum amounts as required for general liability to protect against claims for bodily injury and/or property damage arising out of the ownership or use of any owned, hired and/or non-owned vehicle.

6. Industry Ratings: City will only accept coverage from an insurance carrier which offers proof that it:

- a) Is licensed to do business in the State of Kansas;
- b) Carries a Best's Policyholder rating of A or better; and
- c) Carries at least a Class X financial rating; or is a company mutually agreed upon by the City and Consultant.

7. Subconsultant's Insurance: If a part of this Agreement is to be sublet, the Consultant shall either:

- a) Cover all subconsultants in its insurance policies; or
- b) Require each subconsultant not so covered to secure insurance which will protect against all applicable hazards or risks of loss in the amount so designated.

Whichever option is chosen, the Consultant shall indemnify and hold harmless the City as to any and all damages, claims, or losses, including attorney's fees, arising out of the negligent acts or omissions of its subconsultants.

## **E. INDEMNITY**

1. Indemnify and Hold Harmless: For purposes of this Agreement, the Consultant hereby agrees to indemnify and hold harmless the City and its employees and officials from any and all loss to the extent caused or incurred in whole or in part as a result of the negligence or wrongful acts of the Consultant, its officers, subsidiaries, employees and subconsultants/assignees and their respective officers and employees, in the performance of services pursuant to this Agreement.

In the case of any claims against the City or its employees and officials indemnified under this Agreement, by an employee of the Consultant, its officers, subsidiaries, or subconsultant/assignees, the indemnification

obligation contained in this Agreement shall be limited to those losses caused by the negligence of the Consultant but shall not be limited by any limitation on amount or type of damages, compensation or benefits payable by or for the Consultant, its officers, subsidiaries, or subconsultant/assignees, under workers' compensation acts, disability benefit acts, or other employee benefit acts, as allowed by law. The Consultant's obligation hereunder shall not include amounts attributable to the fault or negligence of the City or any third party for whom the Consultant is not responsible.

**F. ENTIRE AGREEMENT**

This Agreement constitutes the entire agreement between the parties and supersedes all prior agreements, whether oral or written, covering the same subject matter. This Agreement may not be modified or amended except in writing mutually agreed to and accepted by both parties to this Agreement.

**G. APPLICABLE LAW**

This Agreement is entered into under and pursuant to, and is to be construed and enforceable in accordance with, the laws of the State of Kansas.

**H. ASSIGNMENT OF AGREEMENT**

This Agreement shall not be assigned or transferred by either the Consultant or the City without the written consent of the other.

**I. NO THIRD PARTY BENEFICIARIES**

Nothing contained herein shall create a contractual relationship with, or any rights in favor of, any third party.

**J. FEDERAL LOBBYING ACTIVITIES (Only applies to projects receiving federal funds via the City): N/A**

**K. COVENANT AGAINST CONTINGENT FEES**

The Consultant warrants that they have not employed or retained any company or person, other than a bona fide employee working for the Consultant, to solicit or secure this Agreement, and that they have not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the City may terminate this Agreement without liability or may, in its discretion, deduct from the contract price or otherwise recover the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

**L. COMPLIANCE WITH LAWS**

Consultant shall abide by all applicable federal, state and local laws, ordinances and regulations applicable to this Project until the Engineering Services required by this Agreement are complete. Consultant shall secure all occupational and professional licenses, permits, etc., from public and private sources necessary for the fulfillment of its obligations under this Agreement.

**M. TITLES, SUBHEADS AND CAPITALIZATION**

Title and subheadings as used herein are provided only as a matter of convenience and shall have no legal bearing on the interpretation of any provision of the

Agreement. Some terms are capitalized throughout the Agreement but the use of or failure to use capitals shall have no legal bearing on the interpretation of such terms.

**N. SEVERABILITY CLAUSE**

Should any provision of this Agreement be determined to be void, invalid unenforceable or illegal for whatever reason, such provisions shall be null and void; provided, however, that the remaining provisions of this Agreement shall be unaffected thereby and shall continue to be valid and enforceable.

**O. HAZARDOUS MATERIALS**

The Consultant and the Consultant's subconsultants shall have no responsibility for the discovery, presence, handling, removal, or disposal or exposure of persons to hazardous materials in any form at the Project site.

**P. AFFIRMATIVE ACTION**

The Consultant agrees to comply with the provisions of K.S.A. 44-1030, in the Kansas Acts Against Discrimination, and Section 10-113 eq seq of the Code of the City of Lawrence, Kansas, Affirmative Action in Public Contracts.

**Q. EXECUTION OF CONTRACT**

The parties hereto have caused this Agreement to be executed in duplicate this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

**CONSULTANT**

By: *Gary S. Beck*

Gary S. Beck, P.E.

Principal/Vice President

**CITY OF LAWRENCE, KANSAS**

By: \_\_\_\_\_

Thomas M. Markus

City Manager

APPROVED AS TO FORM:

\_\_\_\_\_

Toni Ramirez Wheeler

City Attorney

**EXHIBIT A  
SCOPE OF SERVICES**

**DESIGN, BIDDING AND CONSTRUCTION PHASE SERVICES  
FOR PROJECT UT1814 9<sup>TH</sup> STREET – ARKANSAS TO EMERY  
AND 1527 W 9<sup>TH</sup> STREET WATERMAIN REPLACEMENTS**

**OWNER  
CITY OF LAWRENCE, KANSAS**

**PROJECT DESCRIPTION**

The project will include the replacement of approximately 300 ft of existing 4 inch and 6 inch diameter, cast iron watermain along the south side of 9<sup>th</sup> Street from Arkansas Street to Emery Road, and 270 ft of existing 4 inch and 6 inch diameter, cast iron watermain serving 1527 W 9<sup>th</sup> Street.

**SCOPE OF SERVICES**

The engineering services for this project will include preparation of construction plans, project specifications and construction cost estimates for the project generally described above. Engineering services shall be divided into three phases as follows: Design Services; Bidding Services; and Construction Phase Services. Plans will be developed in accordance with the City of Lawrence, KS Department of Utilities Design Criteria, Technical Specifications and Standard Details.

The detailed Scope of Services to be provided by the ENGINEER is as follows:

**Task 1. Project Management**

**Task 1.1 Kickoff Meeting**

A kickoff meeting will be held at the Owner's office to discuss project, project team roles and communications, schedule and assignments. A field review of the project alignments will be included with this meeting. ENGINEER will prepare and distribute minutes from the meeting.

**Task 1.2 Progress Meetings**

A total of three progress meetings coinciding with the submittal of conceptual alignment, preliminary and final plans will be conducted to coordinate the project design, update the Owner on the project's progress, and discuss plan review comments. ENGINEER will prepare and distribute minutes from the meetings.

### **Task 1.3 Progress Report**

Prepare monthly progress reports for the Owner to accompany billings to summarize project status including work completed, remaining work and outstanding questions and issues needing to be addressed.

## **Task 2. Design**

### **Task 2.1 Conceptual Watermain Plan & Profile**

**Task 2.1.1** Request and review documents from Owner for existing waterlines and service connections including; repair reports, drawings of waterlines, modifications and abandonments, mapping data and previous surveying by Owner, drawings of road improvement projects and building improvements; etc. Identify areas with data gaps.

**Task 2.1.2** Perform field investigation of potential alignments and existing features.

**Task 2.1.3** Perform topographic surveying of the project corridors utilizing RTK GPS and Robotic total station equipment. Prepare base map in AutoCAD Civil3D to be utilized in the design of the waterline replacements. Property surveys will not be performed assuming the waterline replacements will occur within existing rights-of-way.

**Task 2.1.4** Prepare easement documents for 1527 W 9th. Perform survey as required, obtain titlework and prepare easement description and stripmap.

**Task 2.1.5** Define alternative alignments and construction methods including open cut construction, pipe bursting of existing mains, and horizontal directional drilling. List pros and cons for each alternative alignment. Develop preliminary quantities and conceptual opinions of probable construction cost. Submit to Owner for review.

**Task 2.1.6** Meet with Owner's staff to review conceptual plans and profiles, and finalize scope of waterline improvements, alignments, and construction methods.

### **Task 2.2. Preliminary Watermain Plan & Profile and Specifications**

**Task 2.2.1** Incorporate Owner's comments from conceptual review and Prepare plan and profile sheets for proposed improvements on surveying background. Show known existing underground utilities in profile. Include appropriate level traffic control, erosion control, connection details, stormwater management plan, easements and access plan. Prepare project specifications.

**Task 2.2.2** Coordinate with Owner and Geotechnical consultant to determine locations of geotechnical investigations along the watermain alignments. Manage subcontract with geotechnical consultant.

**Task 2.2.3** Prepare details for connections to existing waterlines.

**Task 2.2.4** Develop service reconnection tables. Develop service connection details.

**Task 2.2.5** Develop opinions of construction costs.

**Task 2.2.6** Submit plans, specifications, details and cost estimate for review and comment. Meet with Owner's staff to receive comments and corrections.

### **Task 2.3. Final Watermain Plan & Profile**

**Task 2.3.1** Revise plans and specifications based on Owner comments. Update opinion of probable construction costs. Include appropriate level traffic control, erosion control, connection details, stormwater management plan, easements and access plan.

**Task 2.3.2** Prepare basic project permits; Stormwater Pollution Prevention Permit, KDHE NOI package.

**Task 2.3.3** Submit final plans, details, specifications and opinion of probable construction costs.

### **Task 3. Bidding Phase**

#### **Task 3.1 Assist with Advertising Bids**

Provide final bidding documents in electronic format (.pdf) to the Owner for advertisement to bid. Anticipate Owner will advertise and distribute via Drexel Plan Room.

#### **Task 3.2 Answer Potential Bidder Questions and Issue Addenda**

Consider inquiries prior to the bid opening from contractors, subcontractors, and suppliers, and draft addenda to the project contract documents as required.

#### **Task 3.3 Attend Pre-Bid Meeting**

Attend Owner led pre-bid meeting.

#### **Task 3.4 Attend Bid Opening**

Submit a sealed, detailed project cost estimate to the Owner prior to the bid opening. Attend bid opening.

#### **Task 3.5 Review Bids and Recommend Contract Award**

Assist the Owner in reviewing the bids for completeness and accuracy. Develop a bid tabulation and provide to the Owner. Submit a written recommendation of contract award to the Owner.

Prior to recommending award, consult with, advise and submit a written report to the Owner on the

responsibility and responsiveness of the proposed contractor, the acceptability of proposed subcontractors, substitute materials and equipment proposed by the contractor. The Engineer shall review the following criteria in determination of contractor and sub-contractor acceptability:

1. Contractor's Audited Financial Statement.
2. The contractor's and sub-contractors' personnel and their relative experience, and the quality and availability of the equipment and machinery. The contractor and sub-contractor must also establish that the supervisor directly in charge of the work has been actively engaged in construction and coordination for the type of work required by the bid documents for a continuous period of at least two (2) years within the five (5) years preceding the bid opening.
3. The contractor's and sub-contractors' performance record in performance of other similar contracts for public and private improvements.
4. Obtain references from the proposed contractor and contact a minimum of three of the references and, if requested by the Owner, a minimum of three of the sub-contractors' references.
5. The nature and extent of other contract commitments involving the use of the contractor's and sub-contractors' personnel, machinery and equipment.
6. Whether or not the contractor or sub-contractors have been denied contract award by other public entities, and if so, the reasons thereof, including entity name, type of work, and date of denial.
7. Any other fact that, in the Engineer's opinion, would materially affect the ability of the contractor or sub-contractors to properly, adequately, expeditiously and satisfactorily prosecute the work.

#### **Task 3.6 Provide Contracts to Contractor**

Provide the successful bidder with five (5) sets of the contract specifications ready for contract execution.

#### **Task 4. Construction Phase Services**

Upon the Owner's notice to proceed, the Engineer will perform the following construction administration services.

##### **Task 4.1 Coordinate with Owner and Contractor**

Provide general consultation and interpretation of the plans and/or specifications. Coordinate with, and respond to questions from, the Owner's representatives during construction.

**Task 4.2 Attend Pre-Construction Meeting**

Attend Owner led pre-construction meeting with the contractor, Owner and all interested parties.

**Task 4.3 Attend Progress Meetings, Make Site Visits.**

As requested by Owner attend project progress meetings and make periodic visits to the site of the construction to observe progress. Estimate a total of six trips to attend progress meetings and make site visits during 90 day construction period.

**ADDITIONAL SERVICES BY ADDING:**

The following services are not included in the scope of services and may be added as required by the Owner. After determining that additional services are required, a scope of services shall be prepared by the ENGINEER and approved by the Owner. The additional services are to be performed for additional compensation to the ENGINEER after a lump sum amount is agreed upon.

Design of temporary water distribution systems to facilitate construction by pipe bursting.

Coordination and management of utility pot holing sub-consultant.

Direct costs for utility pot holing sub-consultant.

Easement development, including field survey, O&E report acquisition, strip map and description development beyond as provided in Task 2.1.4.

Preparation of materials and exhibits and attendance at Public Meetings or City Commission Meetings beyond as provided in Task 3.4 Attend Bid Opening.

# Current Hourly Billing Rates



EMPLOYMENT CLASSIFICATION	HOURLY RATE
Principal	\$268.00
Senior Associate	219.00
Director of AES	219.00
Associate	188.00
Senior Lead AES	188.00
Senior Specialist	160.00
Project Leader	165.00
Lead AES	165.00
Specialist	145.00
Senior AES	155.00
Senior Technician	130.00
Project AES	130.00
Project Technician	100.00
Design AES	110.00
Design Technician	82.00
Staff AES	102.00
Staff Technician	70.00

EMPLOYMENT CLASSIFICATION	HOURLY RATE
Senior Construction Inspector	\$130.00
Construction Inspector 4	105.00
Construction Inspector 3	100.00
Construction Inspector 2	90.00
Construction Inspector 1	80.00
Senior Field Technician	110.00
Field Technician 3	90.00
Field Technician 2	80.00
Field Technician 1	70.00
Senior Professional Land Surveyor	130.00
Professional Land Surveyor	120.00
Survey Technician 3	100.00
Survey Technician 2	70.00
Survey Technician 1	52.00
2-Man Survey Party	165.00
Training Coordinator	93.00
Senior Administrative Assistant	93.00
Administrative Assistant	70.00
General Office 2	75.00
General Office 1	54.00

EQUIPMENT		
(CAD and Total Station Survey Equipment expenses are included in the above hourly rates unless otherwise stipulated by contract.)		
Real Time Kinematic Global Positioning System Equipment (RTK)	\$60.00	per hour
Nuclear Density/Soil Testing Equipment	50.00	per day
Traffic Counters	20.00	per day
EXPENSES		
Reimbursable expenses (travel, vehicle mileage, vehicle rental, printing and plotting, meals, etc.) incurred will be charged at cost plus 10% to cover administrative overhead. The following items will be charged as shown:		
Company Pick-up Truck	\$0.54	per mile
Personal and Company Cars	0.54	per mile

Effective Date: July 1, 2017



## Progress Report XX

**GBA Project No.:** INSERT  
**Project Client:** Lawrence, KS Department of Utilities  
**Project Name:** UT1814 9<sup>th</sup> Street Arkansas to Emery and 1527 9<sup>th</sup> St Watermain Replacement  
Design, Bidding and Construction Phase Services

**Date:** INSERT  
**Prepared By:** Philip E. Ciesielski, George Butler Associates, Inc.  
**Subject:** Progress Report INSERT, through INSERT

1. Completed Work During the Last Period

- a.
- b.
- c.
- d.

2. Future Work

- a.
- b.
- c.

3. Outstanding Project Issues

- a.

4. Potential Scope Adjustments

- a.



**EXHIBIT E**  
**STANDARD INVOICE REQUIREMENTS**

- A. Invoice shall identify Project Number and Name, and City Purchase Order Number.
- B. Individual Staff to be identified by Name and Title with itemized hours billed.
- C. Copies of Subconsultant invoices and reimbursable expenses to be included for items billed on the invoice.
- D. Invoice shall provide an accounting of Contract Total; Amount Previously Invoiced; Current Invoice Amount; Amount Remaining on Contract.